Contents	Reference to last Measurement
7	8

M. A. R. 57 (Rule 116)
Measurement Book

No. B 425131

Serial No. 1st and final Bill

Name of Work ..... From ..... To .....

Name of Contractor of nature of Agency Executive Engineer, KRIDL Bangalore

Date of commencement of work D.O. Receipt - 24/01/2020

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Name of work : Providing CC. Road and drain development at Mestry palya in ward no. 06, Byatarayana pura Sub-Division.						
	Estimated cost : Rs. 39.00 Lakh.						
	Work order no : BBMP/EE/BTP/WO/150/2019-20. Dt. 08.11.2019						
	DNB. no : 006-20-000002						
	① Earthwork excavation by manual means in ordinary soil						

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	involving an average horizontal throw upto 2mt and an average lift upto 0.5mm, Excavated surface leveling and sides neatly dressed, the disposed earth to be leve lled neatly after breaking of clods complete as per specifications and directions of Engineer.						
		Qty vide E.B.11 pre measurements					
		At no. ① p.no ②				= 812.164 m³ @ 137.80/m³	111,916.00
2)	Providing and laying in position plain cement concrete of mix 1:4:8 with opc cement @ 180 kgs with 40mm						

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency .
Date of commencement of work .....

Date	Full description, etc, of work
1	2
	and down size grad 0.5m3 and base co concrete land to lay compacted in fou labour, Hire of me specification.

Contents	Reference to last Measurement
7	8
...nt and ... level ... to be ... ... specified ...	
...easurements ... 812.16 yd³ / 137.88 yd³	111,916.00
...ncrete of ... 40 mm ...	

M. A. R. 57 (Rule 116)
Measurement Book

No. B

425132

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	and down size graded granite metal Coarse aggregate 0.85 yd³ and fine aggregate 0.57 yd³, machine mixed concrete laid in layers not exceeding 15 cms thick well compacted in foundations, including costs of all materials, labour, hire of machinery, curing etc complete as per specifications. qty vide ~~pre~~ E-Bill-pre-measurements Sh. no. (2) p. no (3) = 132.65 yd³						7,17,387.00

@5408.12/yd³

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
(3)	Providg and layg in position reinforced cement concrete of design mix M-20 with ope cement @ 320 kgs with 20mm and down size graded granite metal Coarse aggregate 0.69 m^3 and fine aggregate 0.46 m^3, with super plasticizer @ 3 ltr confirming to IS:-9103-1999 reaffirmed 2008, machine mixed concrete laid in layers not exceedg 150mm thick Measured for all Works in fndn, footg, pedastal, retaing Walls, return Walls, Walls (of any thickness) including attached pilasters, chajjas pillars, posts, struts, bed blocks and arches blocks and plinth etc in cludg cost of all materials, labour						

Serial No. .....

Name of Work ..... F

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Numb
1	2	3
	do my modimensions, cumu reinforcement complete an	
4)	Providg and removg. comp etc and removal of form Walls of any thickness. in cl	

M. A. R. 57 (Rule 116)
Measurement Book

No. B

425133

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Hume pipe manholes, curing complete but excluding costs reinforcement complete as per specification.						
	Qty vide E.B.11 - pg no.						
	1 no			= 264.394		@ 5998.54/-	16,03,950.00
4)	Providing and removing centering, shuttering, strutting, propping etc and removal of formwork for vertical surfaces such as walls at any thickness, including attached pilasters, buttresses						

Contents	Reference to last Measurement
7	8
Concrete of	
with 20mm	
aggregate	
plasticizer,	
8, machine	
thrade	
s, rotary	
ing attached	
nchors	
rete, labour	

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	plinth cills, and string courses, cost of all material, labour complete as per specifications and directions of Engineer in-charge of work.						
	Qty as de. E-Bill. premises						
	☆ no. ④ p.no ④					= 1998.80 m²	7,58543.00
						@ 379.48 m²	
5)	Providing mild steel reinforcement for RCC work including straighting, cutting, bending, hooking, placing in position lapping or welding wherever required, tying with						

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	N
1	2	
	binding wire and anchoring wherever necessary	
5)	Providing pre-cast RCC of all materials, labour	

OOK

Depth 6	Contents 7	Reference to last Measurement 8
	Materials, labour	
	technical Engineer	
	ill. pre measurements	
	= 1998.80 m² 7,58,543.00	
	@ 379.48/m²	
	RCC Work including	
	laying positions	
	all, type with	

M. A. R. 57 (Rule 116)
Measurement Book

No. B

425134

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	binding wire and anchoring to the adjoining members, wherever necessary complete as per design.						
	Qty as per E-Bill. pre-measurements						
	11 no. (5) p.no (5) = 15.88 m						11,71,989.00
	@ ₹ 5223.96/m.c						
	Providing pre-cast RCC slab louvers sheet including cost of all materials, labour, curing, transportation, loading						

M.B. 1574

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Including etc complete as per the directions of Engineer-in-charge of Work.						
		Qty vide E.B.U. Item No. (1)					
		p. no.				= 627.30 m² @ 210/-	13,17,330.00
7)	Providing precast flabs 250mm thick including cost of all materials, labour, curing, transportation, loading, unloading etc complete as per the directions of Engineer-in-charge of Work.						

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work
1	2
8)	Dismantling of cement means using pneum exceeding 0.02 m³ in noted locations and stacking serviceable

Contents	Reference to last Measurement
7	8
engineer -	
...no. (1)	13,17,330.00
...m^2 @ 24.00/m^2	
...including	
...rotating	
...wages of	

M. A. R. 57 (Rule 116)
Measurement Book

No. B 425135

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
		Qty vide E.Bill No. II no (7)					
		p.no.		= 54.304 m^2 @ 5418/m^2			294194.00
8)	Dismantling of cement concrete pavement by mechanical means using pneumatic tools, breaking of pavement exceeding 0.02 m^3 in volume and stacking/filling at designated locations and disposal of dismantled materials, floating debris and non-serviceable materials						

MEASUREMENT BOOK

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	separately, complete as per specifications and directions of Engineer-in-charge of work.						
		Qty vide E.Bill pre-measurement Item no. (8) p.no (5)				= 79.544 m³ @ 942.34/m³	74,954.00
9)	Excavation in soil using hydraulic excavator CK-90 and tippers with disposal [illegible], Excavation for road work in soil with hydraulic of 0.90 m³ bucket capacity including cutting and						

Serial No. ....

Name of Work ....

Name of Contractor of nature of Agency ....

Date of commencement of work ....

Date 1	Full description, etc, of work 2
	Loading in tipper, trim[...] in accordance with [...] and cross-sections, and locations and complete [...] Engineer-in-charge of [...]

Contents 7	Reference to last Measurement 8
and	
re. ments	
= 79.54 m³	74,954.00
@ 942.34/-	
ex cavation	
m. 3rd-lift	
ing hydraulic	
lift, and	

M. A. R. 57 (Rule 116)
Measurement Book

No. B 425136

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
	loading in tipper, trimming, bottom and side slopes, in accordance with requirements of lines and grades and cross-sections, and transporting to the embankments locating and compaction as per specifications and directions Engineer-in-charge of Work.						
	9th Bill Extract p.no ④						
	# no. ⑨ of proc. measurement sheet						21120.00
	= ~~242.99~~ 485.964 m³						
	= @43.46/4 m³						

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
10)	Construction of dry lean concrete blocks with 25mm and down size graded granite metal coarse aggregate e 0.8 cys of fine aggregate e 0.58 cys. Sub base over a prepared sub-grade with aggregate cement ratio not to exceed 15:1. Aggregate gradation after blending to be as per Table-600-1, cement content not to be less than 160 kg/m³, optimum moisture content to be determined during trial length Construction, Concrete strength not to be less than 10 N/mm² at 7 days, mixed in a batching plant, transported to site an	c.c. of mix	1:5:10	With	OPC cement		

Serial No. .....

Name of Work ..... F

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Numb
1	2	3
	Complete as per specification	
11)	less IRC-SP 600-6, cem of un-reinforced cement as per design, over a p grade cement or any	

K

epth 6	Contents 7	Reference to last Measurement 8
D.th	opc cent	
ade d	granite	
	aggregate c	
	grade with	
:1.	Aggregate	
00-1,	cement	
	moisture	
	Constructing,	
	up at 7 days,	
	&c etc	

M. A. R. 57 (Rule 116)
Measurement Book

No. B

425137

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	Complete as per specification.						
	Qty vide R.B.N. pre-measmt						
	It no (10) pno (6)				= 242.98 m³		9,43,953.00
	@ 3884.90/m³						
	IV) ICSRRB-M600-6, Cement concrete pavement, cnt?						
	of un-reinforced cement concrete pavement, thickness						
	as per design, over a prepared sub-base with 43						
	grade cement or any other type as per clause						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	10st 1.2.2 M20/430 at 380 kg/cum by m³, Coarse and fine aggregate confirming to or any other type as per clause 25.383, max size of Coarse aggregate not exceeding 25 mm, mixed in a concrete mixer of not less than 0.4m³ capacity and approved batching & mixing approved design mix, laid in approved layers for foundation work, spreading concrete with shovels, rakers, compacted using needle, screed and plate vibrator, and finished as a continuous operation, including provision of construction and expansion joints, joint fillers, separating						

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency ....
Date of commencement of work .....

Date	Full description, etc, of work
1	2
	membrane, sealant curing compound, drawing complete a
12)	Lead for disposal of rubbish by mechanical

Contents	Reference to last Measurement
7	8
Course ... types ... systems ... bed of ... in a pan ... and heavy ... clean, ... vibrator, ... duly pressing ... ry, separate	

M. A. R. 57 (Rule 116)
Measurement Book

No. B 425138

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	membrane, sealant ... curing compound, ... drawing complete as per specification.	primer, admixtures as ... lines of grade as per				approved	
		qty vide E.B. ... dt ... no. (11)					
		P.no		= 242.98 y³		@ 5210.98/y³	12,66,159.00
12)	Lead for disposal of ... water by mechanical ...	debris shall be ... means, including ...				payable at ... loading, unloading,	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	From 0.00 to 2.00 km, Complete as per specification.						
	C/F C 24/1/2020						
	Qty vide R.B. 11 p.no						
	Item (12) = 1377.66 Cum @ 73.99/-						101,933.00
						Total Rs.	83,83,431.00
						Add GST @ 12%.	10,06,012.00
						Add 3% KRIDL chgs	2,51,503.00
						Add 1% Cess	83,834.00
						Total Rs.	97,24,780.00

M.

Serial No. .....

Name of Work ..... Fr

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Numb
1	2	3
	Certificate	
	(1) Certified that the work done satisfactorily	
	(2) the contractor has work with	
	(3) there is no ov Contract.	

Assistant Executive Engineer,
R.R. Nagar, Sub-division,
KRIDL, BBMP, Bangalore

	Contents	Reference to last Measurement
	7	8
y's	₹ 43.99/M	101,933.00
	Rs.	83,83,431.00
		1006012.00
	chys	251503.00
		83,834.00
	R.	97,24,780.00

M. A. R. 57 (Rule 116)
Measurement Book

No. B 425139

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Certificate (1) Certified that the contractor has work done daily actually (2) the contractor has removed the debris from work site (3) there is no any dept. matters involved to Contractor.						

Assistant Executive Engineer,
R.R. Nagar Sub-division,
KRIDL, BBMP, Bangalore

24/01/2020

24/1/2020

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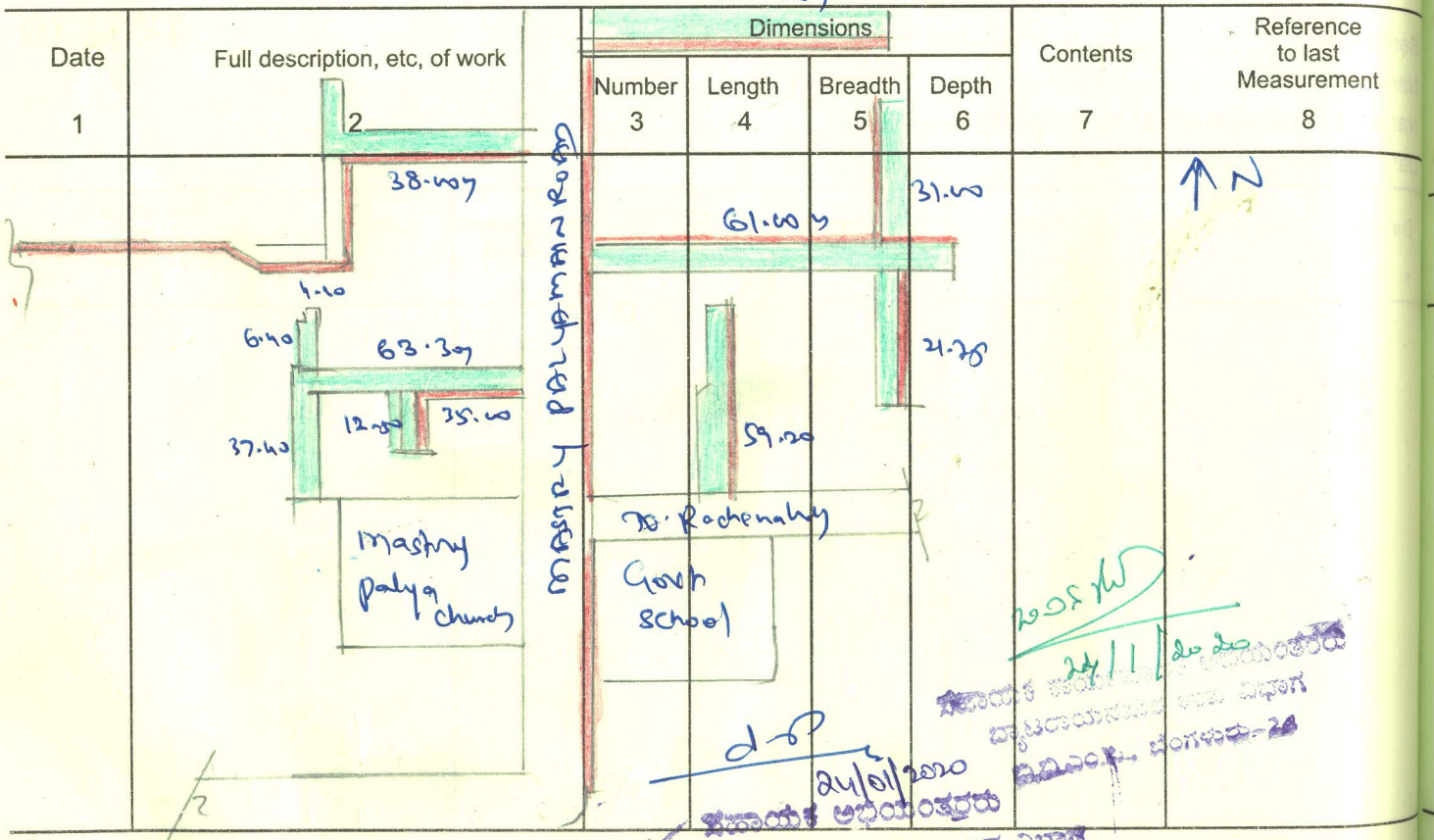
MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8



24/11/2020
ಸಹಾಯಕ ಅಭಿಯಂತರರು
ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ

24/01/2020
ಸಹಾಯಕ ಅಭಿಯಂತರರು
ಜಿ.ಬಿ.ಎಂ.ಪಿ ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work
1	2

1st and final

3727
ಮೊ. 9731
96334
ಮೊ. 8761

29/3/2020.

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Contents 7	Reference to last Measurement 8
	↑N

M. A. R. 57 (Rule 116)
Measurement Book

No. 140

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	1st and Final					total	9724780:00
	3727					IT	194496
	ಒಟ್ಟು ರೂ. 9724780					LWF	97248
	963386					CBF	9725
	ರೂ. 8761414:00					CGST	86829
						SGST	86829
						PSD	436239
							2000
						Royalty	50000
							963386
							8761414:00

21/3/2020. Calculated 21/3

2022-23

24/1